INDEX

AEBISCHER, H. A. and SAYASOV, YU. S. Drift waves and magnetic field oscillations in cylindrical plasmas, 319

BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A. Arbitrary-amplitude rarefactive ion-acoustic double layers in warm multi-fluid plasmas, 163

BALESCU, R. *See* ZHANG, W. Y. and BALESCU, R.

BALESCU, R. and ZHANG, W. Y. Kinetic equation, spin hydrodynamics and collisional depolarization rate in a spin-polarized plasma, 215

BHARUTHRAM, R. *See* BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A.

BIERNAT, H. K. *See* HEYN, M. F., BIERNAT, H. K., RIJNBEEK, R. P. and SEMENOV, V. S.

BROWNING, P. K. Helicity injection and relaxation in a solar-coronal magnetic loop with a free surface, 263

CHU, C. and SPERLING, J. L. Electromagnetic fluctuations from energetic particles in plasmas, 407

COLLINS, G. A., DURANCE, G. and TENDYS, J. Measurements of the oscillating fields and the time-averaged forces in rotating magnetic field current drive, 127

COUTSIAS, E. A. Caustics and virtual cathodes in electron beams, 369

CUPERMAN, S. and ZOLER, D. An extended analytical solution of the Boltzmann equation for non-homogeneous fusion and astrophysical plasmas, 441

DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L. Driven, steady-state RFP computations, 39

DASK, K. P. *See* GHOSH, B. and DAS, K. P.

DAVIDSON, R. C. *See* DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L.

DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L. Pulse shapes for absolute and convective free-electron-laser instabilities, 1

DE ANGELIS, U., FORMISANO, V. and GIORDANO, M. Ion plasma waves in dusty plasmas: Halley's comet, 399

DEEDS, D. and VAN HOVEN, G. Spectral analysis of turbulent effects on resistivity and the tearing instability, 517

DOOLEN, G. D. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

DURANCE, G. *See* COLLINS, G. A., DURANCE, G. and TENDYS, J.

DUSENBERY, P. B. and LYONS, L. R. Unmagnetized diffusion for azimuthally symmetric wave and particle distributions, 179

FAGHIHI, M. and SCHEFFEL, J. Corrigendum, 603

FERRO FONTÁN, C. F. *See* PONCE DAWSON, S. and FERRO FONTÁN, C.

FIALA, V. and KARPMAN, V. I. Resonance cones in a drifting plasma, 455

FORMISANO, V. *See* DE ANGELIS, U., FORMISANO, V. and GIORDANO, M.

GHOSH, B. and DAS, K. P. Effects of higher-order nonlinearity and finite geometry on the propagation of KdV solitons, 545

GIORDANO. *See* DE ANGELIS, U., FORMISANO, V. and GIORDANO, M.

HAMABATA, H., NAMIKAWA, T. and MORI, K. The effect of lower-hybrid waves on the propagation of hydromagnetic waves, 337

HAMABATA, H. *See* NAMIKAWA, T. and HAMABATA, H.

HAZELTINE, R. D. and MONTGOMERY, M. H. On tokamak equilibrium, 481

HELLBERG, M. A. *See* BABOOLAL, S., BHARUTHRAM, R. and HELLBERG, M. A.

HEYN, M. F., BIERNAT, H. K., RIJNBEEK, R. P. and SEMENOV, V. S. The structure of reconnection layers, 235

JAIN, V. K. *See* PRABURAM, G. and JAIN, V. K.

JARDINE, M. and PRIEST, E. R. Weakly nonlinear theory of fast steady-state magnetic reconnection, 143

JARDINE, M. and PRIEST, E. R. Global energetics of fast magnetic reconnection, 505

JOHNSTON, G. L. *See* DAVIES, J. A., DAVIDSON, R. C. and JOHNSTON, G. L.

KARPMAN, V. I. *See* FIALA, V. and KARPMAN, V. I.

KATOU, K. Early onset of dissipative electrostatic drift-wave turbulence, 567

KAUP, D. J. *See* LEE, H.-J., KAUP, D. J. and THOMAS, G. E.

LARSSON, J. Nonlinear interaction of electrostatic waves in a magnetized Vlasov plasma, 385

LEE, H.-J., KAUP, D. J. and THOMAS, G. E. Linear stability of Vlasov–Poisson electron plasma in crossed fields: perturbations propagating parellel to the magnetic field, 535

LYONS, L. R. *See* DUSENBERY, P. B. and LYONS, L. R.

MAJUMDAR, D. Effect of electron temperature gradient on the modulational instability of drift waves and anomalous transport due to drift-wave turbulence, 253

MANN, G. On nonlinear circularly polarized Alfvén waves, 281

MCCLEMENTS, K. G. *See* MCQUILLAN, P. and MCCLEMENTS, K. G.

MCQUILLAN, P. and MCCLEMENTS, K. G. The unstable modes of a two-component electron plasma, 493

MJØLHUS, E. and WYLLER, J. Nonlinear Alfvén waves in a finite-beta plasma, 299

MONTGOMERY, D. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

MONTGOMERY, M. H. *See* HAZELTINE, R. D. and MONTGOMERY, M. H.

MORI, K. *See* HAMABATA, H., NAMIKAWA, T. and MORI, K.

NAMIKAWA, T. *See* HAMABATA, H., NAMIKAWA, T. and MORI, K.

NAMIKAWA, T. and HAMABATA, H. the alpha-effect generated by standing Alfvén waves, 353

NEWMAN, D. L. *See* ROBINSON, P. A. and NEWMAN, D. L.

PAKIRA, G. P., ROY CHOWDHURY, A. and PAUL, S. N. Higher-order corrections to the ion-acoustic waves in a relativistic plasma (isothermal case), 359

PAUL, S. N. *See* PAKIRA, G. P., ROY CHOWDHURY, A. and PAUL, S. N.

PETTINI, M. and TORRICELLI-CIAMPONI, G. Stochastic magnetic field generation in MHD resistive instabilities: validity limits of linear stability analysis, 419

PONCE DAWSON, S. and FERRO FONTÁN, C. Analytical properties and numerical solutions of the derivative nonlinear Schrödinger equation, 585

PRABURAM, G. and JAIN, V. K. Enhancement of collisional drift waves in a plasma cylinder, 465

PRIEST, E. R. *See* JARDINE, M. and PRIEST, E. R.

RJINBEEK, R. P. *See* HEYN, M. F., BIERNAT, H. K., RIJNBEEK, R. P. and SEMENOV, V. S.

RIZZATO, F. B. Weak nonlinear electromagnetic waves and low-frequency magnetic-field generation in electron–positron–ion plasmas, 289

ROBINSON, P. A. and NEWMAN, D. L. Approximation of the dielectric properties of Maxwellian plasmas: dispersion functions and physical constraints, 553

ROY CHOWDHURY, A. *See* PAKIRA, G. P., ROY CHOWDHURY, A. and PAUL, S. N.

SAYASOV, YU. S. *See* AEBISCHER, H. A. and SAYASOV, YU. S.

SAZHIN, S. S. and SAZHINA, E. M. Some particular cases of oblique whistler-mode propagation in a hot anisotropic plasma, 69

SAZHINA, E. M. *See* SAZHIN, S. S. and SAZHINA, E. M.

SCHEFFEL, J. *See* FAGHIHI, M. and SCHEFFEL, J.

SEMENOV, V. S. *See* HEYN, M. F., BIERNAT, H. K., RIJNBEEK, R. P. and SEMENOV, V. S.

SHIVAMOGGI, B. K. Ion-acoustic solitary waves in an inhomogeneous plasma, 579

SHKLYAR, D. R. and SOLOV'EV, V. V. Diffusion processes in the field of a monochromatic wave propagating in an inhomogeneous magnetoplasma, 97

SHUKLA, P. K. and STENFLO, L. Linear and nonlinear coupled Alfvén–Varma modes, 473

SOLOV'EV, V. V. *See* SHKLYAR, D. R. and SOLOV'EV, V. V.

SPERLING, J. L. *See* CHU, C. and SPERLING, J. L.

STENFLO, L. *See* SHUKLA, P. K. and STENFLO, L.

SUGAWA, M. Nonlinear interaction of obliquely propagating Bernstein waves with electrons in a plasma, 87

TENDYS, J. *See* COLLINS, G. A., DURANCE, G. and TENDYS, J.

THOMAS, G. E. *See* LEE, H.-J., KAUP, D. J. and THOMAS, G. E.

TORRICELLI-CIAMPONI, G. *See* PETTINI, M. and TORRICELLI-CIAMPONI, G.

TURNER, L. *See* DAHLBURG, J. P., MONTGOMERY, D., DOOLEN, G. D. and TURNER, L.

VAN HOVEN, G. *See* DEEDS, D. and VAN HOVEN, G.

WATTERSON, P. A. Analytical solutions for the current driven by a rotating magnetic field in a cylindrical plasma with azimuthal field, 109

WYLLER, J. *See* MJØLHUS, E. and WYLLER, J.

ZHANG, W. Y. and BALESCU, R. Statistical mechanics of a spin-polarized plasma, 199

ZHANG, W. Y. *See* BALESCU, R. and ZHANG, W. Y.

ZOLER, D. *See* CUPERMAN, S. and ZOLER, D.